BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work : Asphalting to roads at Jyothinagara and Muniswamappa Layout and surrounding areas in Ward No-03, Yelahanka Satellite Town sub Division.

Est Cost Rs. 200 Lakhs

Sl No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	Asphalting								
	KSRRB M300-14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specification No 301 (Page No 143 Item no 19.14 of KPWD SR Bangalore Circle(2018-19) Lead 15.5km								
	BR Rs		41.00						
	Lead and Lift Charges		37.12						
	Add. AW 6%		4.69						
	Total Rs		82.81						
	BWSSB Road Cut Portion								
	Muniswamappa layout								
	1st main road								
		1	100	2.50	0.38	95.00			
	2nd main road								
		1	180	2.00	0.38	136.80			
	Jyothi Nagar								
	1st main road								
		1	132	2.00	0.38	100.32			
	2nd main road								
		1	100	1.00	0.38	38.00			
	3rd main road								
		1	200	1.00	0.38	76.00			
	Jyothi Nagar (Side Portion)								
	1st main road								
		2	132	0.50	0.38	50.16			
	2nd main road								
		2	100	0.50	0.38	38.00			
	3rd main road								
		2	200	0.50	0.38	76.00			
	Re-construction								
	Jyothi Nagar								
	2nd main road								
	From CH 000 to CH 055	1	55	5.00	0.25	68.75			
	From CH 192 to CH 347	1	155	6.20	0.25	240.25			
	3rd main road								
	From CH 200 to CH 300	1	100	7.00	0.25	175.00			
	From CH 300 to CH 335	1	35	7.40	0.25	64.75			
	Cross road 1, 3rd main road								
	From CH 000 to CH 035	1	35	5.20	0.25	45.50			
	Cross road 2, 3rd main road								
	From CH 000 to CH 048	1	48	6.20	0.25	74.40			
	Adithya Nagar (BWSSB Cut Portion)								
	1st cross road								
	From CH 000 to CH 100	1	100	2.00	0.38	76.00			
	From CH 100 to CH 105	1	5	2.00	0.38	3.80			
	2nd cross road								
	From CH 000 to CH 082	1	82	2.00	0.38	62.32			
	3rd cross road								
	From CH 000 to CH 050	1	50	2.00	0.38	38.00			
	Cross road 1								
	From CH 000 to CH 110	1	110	1.50	0.38	62.70			
	10th main road								
	From CH 000 to CH 100	1	100	4.50	0.25	112.50			
	From CH 100 to CH 191	1	91	4.50	0.25	102.38			
	Cross road, 10th main road								
	From CH 000 to CH 040	1	40	6.00	0.25	60.00			
	Adjacent road to KSRTC Depo								
	From CH 000 to CH 035	1	35	6.00	0.25	52.50			
	Cross road near KSRTC Depo								

Sl No	Description	No	L	B	D	Qty	Unit	Rate	Amount
	From CH:000 to CH:040	1	40	6.00	0.25	60.00			
	9th main road								
	From CH:000 to CH:100	1	100	2.00	0.38	76.00			
	From CH:100 to CH:200	1	100	2.00	0.38	76.00			
	From CH:200 to CH:300	1	100	2.00	0.38	76.00			
	From CH:300 to CH:355	1	55	2.00	0.38	41.80			
	1st cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.50	0.25	34.38			
	2nd cross road, 9th main road (LHS)								
	From CH:000 to CH:082	2	82	2.00	0.25	82.00			
	3rd cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	2.00	0.25	30.00			
	4th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	58	2.00	0.25	29.00			
	5th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	58	2.00	0.25	29.00			
	From CH:000 to CH:035	1	35	2.00	0.25	17.50			
	6th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	2.00	0.25	30.00			
	6th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00	0.25	60.00			
	7th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	5.50	0.25	82.50			
	7th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	5.50	0.25	48.13			
	6th cross road, 9th main road (LHS)								
	From CH:000 to CH:100	1	100	2.00	0.25	50.00			
						2671.43	Cum	82.81	221213.22
	KSRRB 300-Compaction KSRRB 300-58 Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications MORTH / Chapter 3 KPWD S.R 2018-19 Page No. 147 / No. 19.64								
	BR Rs	6.00							
	Add: AW 6%	0.36							
	Total Rs.	6.36							
	Re-construction								
	Jyothi Nagar								
	2nd main road								
	From CH:000 to CH:055	1	55	5.00		275.00			
	From CH:192 to CH:347	1	155	6.20		961.00			
	3rd main road								
	From CH:200 to CH:300	1	100	7.00		700.00			
	From CH:300 to CH:335	1	35	7.40		259.00			
	Cross road 1, 3rd main road								
	From CH:000 to CH:035	1	35	5.20		182.00			
2	Cross road 2, 3rd main road								
	From CH:000 to CH:048	1	48	6.20		297.60			
	Adithya Nagar (BWSSB Cut Portion)								
	10th main road								
	From CH:000 to CH:100	1	100	4.50		450.00			
	From CH:100 to CH:191	1	91	4.50		409.50			
	Cross road, 10th main road								
	From CH:000 to CH:040	1	40	6.00		240.00			
	Adjacent road to KSRTC Depo								
	From CH:000 to CH:035	1	35	6.00		210.00			
	Cross road near KSRTC Depo								
	From CH:000 to CH:040	1	40	6.00		240.00			
	From CH:000 to CH:040	1	40	6.00		240.00			
	7th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	5.50		330.00			
	7th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	5.50		192.50			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
						4986.60	Sqm	6.36	31714.78
	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material,mixing by mix in place method with rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.								
	BR Rs.		1750.00						
	Add AW 6%		105.00						
	Total Rs		1855.00						
	BWSSB Road Cut Portion								
	Muniswamappa layout								
	1st main road								
		1	100	2.50	0.38	95.00			
	2nd main road								
		1	180	2.00	0.38	136.80			
	Jyothi Nagar								
	1st main road								
		1	132	2.00	0.15	39.60			
	2nd main road								
		1	100	1.00	0.15	15.00			
	3rd main road								
		1	200	1.00	0.15	30.00			
	Jyothi Nagar (Side Portion)								
	1st main road								
		2	132	0.50	0.15	19.80			
	2nd main road								
		2	100	0.50	0.15	15.00			
	3rd main road								
		2	200	0.50	0.15	30.00			
	Jyothi Nagar								
3	Adithya Nagar (BWSSB Cut Portion)								
	1st cross road								
	From CH 000 to CH 100	1	100	2.00	0.15	30.00			
	From CH 100 to CH 105	1	5	2.00	0.15	1.50			
	2nd cross road								
	From CH 000 to CH 082	1	82	2.00	0.15	24.60			
	3rd cross road								
	From CH 000 to CH 050	1	50	2.00	0.15	15.00			
	Cross road 1								
	From CH 000 to CH 110	1	110	1.50	0.15	24.75			
	9th main road								
	From CH 000 to CH 100	1	100	2.00	0.15	30.00			
	From CH 100 to CH 200	1	100	2.00	0.15	30.00			
	From CH 200 to CH 300	1	100	2.00	0.15	30.00			
	From CH 300 to CH 355	1	55	2.00	0.15	16.50			
	1st cross road, 9th main road (LHS)								
	From CH 000 to CH 055	1	55	2.50	0.15	20.63			
	2nd cross road, 9th main road (LHS)								
	From CH 000 to CH 082	2	82	2.00	0.15	49.20			
	3rd cross road, 9th main road (LHS)								
	From CH 000 to CH 050	1	60	2.00	0.15	18.00			
	4th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	58	2.00	0.15	17.40			
	5th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	58	2.00	0.15	17.40			
	5th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	1	35	2.00	0.15	10.50			

Sl. No	Description	No	L	B	D	Qty	Unit	Rate	Amount
	6th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	2.00	0.15	18.00			
	8th cross road, 9th main road (LHS)								
	From CH 000 to CH 100	1	100	2.00	0.15	30.00			
						764.68	Cum	1,855.00	1418472.13
	KSRRB M400-17 Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406.								
	BR Rs	1888.00							
	Add: AW 6%	113.28							
	Total Rs	2001.28							
	BWSSB Road Cut Portion								
	Muniswamappa layout								
	1st main road								
		1	100	2.50	0.23	57.50			
	2nd main road								
		1	160	2.00	0.23	82.80			
	Jyothi Nagar								
	1st main road								
		1	132	2.00	0.23	60.72			
	2nd main road								
		1	100	1.00	0.23	23.00			
	3rd main road								
		1	200	1.00	0.23	46.00			
	Jyothi Nagar (Side Portion)								
	1st main road								
		2	132	0.50	0.23	30.36			
	2nd main road								
		2	100	0.50	0.23	23.00			
	3rd main road								
		2	200	0.50	0.23	46.00			
	Re-construction								
	Jyothi Nagar								
	2nd main road								
	From CH 000 to CH 055	1	55	5.00	0.23	63.25			
	From CH 192 to CH 347	1	155	6.20	0.23	221.03			
	3rd main road								
	From CH 200 to CH 300	1	100	7.00	0.23	161.00			
	From CH 300 to CH 335	1	35	7.40	0.23	59.57			
	Cross road 1, 3rd main road								
	From CH 000 to CH 035	1	35	5.20	0.23	41.86			
	Cross road 2, 3rd main road								
	From CH 000 to CH 048	1	48	6.20	0.23	68.45			
4	**Adithya Nagar (BWSSB Cut Portion)**								
	1st cross road								
	From CH 000 to CH 100	1	100	2.00	0.23	46.00			
	From CH 100 to CH 105	1	5	2.00	0.23	2.30			
	2nd cross road								
	From CH 000 to CH 082	1	82	2.00	0.23	37.72			
	3rd cross road								
	From CH 000 to CH 050	1	50	2.00	0.23	23.00			
	Cross road 1								
	From CH 000 to CH 110	1	110	1.50	0.23	37.95			
	10th main road								
	From CH 000 to CH 100	1	100	4.50	0.23	103.50			
	From CH 100 to CH 191	1	91	4.50	0.23	94.19			

SHRIYA CONSTRUCTION CONSULTANCY

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	Cross road, 10th main road								
	From CH 000 to CH 040	1	40	6.00	0.23	55.20			
	Adjacent road to KSRTC Depo								
	From CH:000 to CH 035	1	35	6.00	0.23	48.30			
	Cross road near KSRTC Depo								
	From CH 000 to CH 040	1	40	6.00	0.23	55.20			
	9th main road								
	From CH 000 to CH 100	1	100	2.00	0.23	46.00			
	From CH 100 to CH 200	1	100	2.00	0.23	46.00			
	From CH 200 to CH 300	1	100	2.00	0.23	46.00			
	From CH 300 to CH 355	1	55	2.00	0.23	25.30			
	1st cross road, 9th main road (LHS)								
	From CH 000 to CH 055	1	55	2.50	0.23	31.63			
	2nd cross road, 9th main road (LHS)								
	From CH 000 to CH 082	2	82	2.00	0.23	75.44			
	3rd cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	2.00	0.23	27.60			
	4th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	58	2.00	0.23	26.68			
	5th cross road, 9th main road (LHS)								
	From CH:000 to CH 050	1	58	2.00	0.23	26.68			
	5th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	1	35	2.00	0.23	16.10			
	6th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	2.00	0.23	27.60			
	8th cross road, 9th main road (LHS)								
	From CH 000 to CH 100	1	100	2.00	0.23	46.00			
						1928.92	Cum	2,001.28	3860305.02
	KSRRB:M500-5 Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision								
	BR Rs	28.00							
	Add. AW 6%	1.68							
	Total Rs	29.68							
	BWSSB Road Cut Portion								
	Muniswamappa layout								
	1st main road								
		1	100	2.50		250.00			
	2nd main road								
		1	180	2.00		360.00			
	Jyothi Nagar								
	1st main road								
		1	132	2.00		264.00			
	2nd main road								
		1	100	1.00		100.00			
	3rd main road								
		1	200	1.00		200.00			
	Jyothi Nagar (Side Portion)								
	1st main road								
		2	132	0.50		132.00			
	2nd main road								
		2	100	0.50		100.00			
	3rd main road								
		2	200	0.50		200.00			
	Re-construction								
	Jyothi Nagar								
	2nd main road								
	From CH 000 to CH 055	1	55	5.00		275.00			
	From CH 192 to CH 347	1	155	6.20		961.00			
	3rd main road								
	From CH 200 to CH 300	1	100	7.00		700.00			

SURYA CONSTRUCTIONS

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	From CH:300 to CH:335	1	35	7.40		259.00			
	Cross road 1, 3rd main road								
	From CH:000 to CH:035	1	35	5.20		182.00			
	Cross road 2, 3rd main road								
	From CH:000 to CH:048	1	48	6.20		297.60			
	Adithya Nagar (BWSSB Cut Portion)								
	1st cross road								
	From CH:000 to CH:100	1	100	2.00		200.00			
5	From CH:100 to CH:105	1	5	2.00		10.00			
	2nd cross road								
	From CH:000 to CH:082	1	82	2.00		164.00			
	3rd cross road								
	From CH:000 to CH:050	1	50	2.00		100.00			
	Cross road 1								
	From CH:000 to CH:110	1	110	1.50		165.00			
	10th main road								
	From CH:000 to CH:100	1	100	4.50		450.00			
	From CH:100 to CH:191	1	91	4.50		409.50			
	Cross road, 10th main road								
	From CH:000 to CH:040	1	40	6.00		240.00			
	Adjacent road to KSRTC Depo								
	From CH:000 to CH:035	1	35	6.00		210.00			
	Cross road near KSRTC Depo								
	From CH:000 to CH:040	1	40	6.00		240.00			
	9th main road								
	From CH:000 to CH:100	1	100	2.00		200.00			
	From CH:100 to CH:200	1	100	2.00		200.00			
	From CH:200 to CH:300	1	100	2.00		200.00			
	From CH:300 to CH:355	1	55	2.00		110.00			
	1st cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.50		137.50			
	2nd cross road, 9th main road (LHS)								
	From CH:000 to CH:082	2	82	2.00		328.00			
	3rd cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	2.00		120.00			
	4th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	58	2.00		116.00			
	5th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	58	2.00		116.00			
	5th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	2.00		70.00			
	6th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	2.00		120.00			
	6th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00		240.00			
	7th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	5.50		330.00			
	7th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	5.50		192.50			
	8th cross road, 9th main road (LHS)								
	From CH:000 to CH:100	1	100	2.00		200.00			
						9149.10	Sqm	29.68	271545.29
	KSRRB 500-2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all material's, labour, HOM complete as per specifications. Clause 501 of MORTH V revision (P-158) Item no 21.2 specifications. MORTH Specification No. 202 KPWD SR 2018-19								
	BR Rs	5.00							
	Add: AW 6%	0.30							
	Total Rs	5.30							
	Muniswamappa layout								
	1st main road								
	From CH:000 to CH:100	1	100	6.50		650.00			
	From CH:100 to CH:200	1	100	6.25		625.00			
	From CH:200 to CH:300	1	100	5.80		580.00			
	From CH:300 to CH:320	1	20	5.50		110.00			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	Cross Road, 1st main road								
	From CH 000 to CH 025	1	25	5.50		137.50			
	2nd main road								
	From CH 000 to CH 100	1	100	5.80		580.00			
	From CH 100 to CH 200	1	100	5.80		580.00			
	From CH 200 to CH 300	1	100	6.00		600.00			
	From CH 300 to CH 310	1	10	6.00		60.00			
	Jyothi Nagar								
	1st main road								
	From CH 000 to CH 100	1	100	4.20		420.00			
	From CH 100 to CH 132	1	32	4.20		134.40			
	2nd main road								
	From CH 000 to CH 100	1	100	5.20		520.00			
	From CH 100 to CH 200	1	100	5.20		520.00			
	From CH 200 to CH 300	1	100	6.20		620.00			
	From CH 300 to CH 347	1	47	6.20		291.40			
	3rd main road								
	From CH 000 to CH 100	1	100	6.60		660.00			
	From CH 100 to CH 200	1	100	6.50		650.00			
	From CH 200 to CH 300	1	100	7.00		700.00			
	From CH 300 to CH 335	1	35	7.40		259.00			
	Cross road 1, 3rd main road								
	From CH 000 to CH 035	1	35	5.20		182.00			
	Cross road 2, 3rd main road								
	From CH 000 to CH 048	1	48	6.20		297.60			
	Adithya Nagar								
	1st cross road								
	From CH 000 to CH 100	1	100	7.50		750.00			
	From CH 100 to CH 105	1	5	7.50		37.50			
	2nd cross road								
6	From CH 000 to CH 082	1	82	7.50		615.00			
	3rd cross road								
	From CH 000 to CH 050	1	50	7.50		375.00			
	Cross road 1								
	From CH 000 to CH 110	1	110	6.00		660.00			
	10th main road								
	From CH 000 to CH 100	1	100	4.50		450.00			
	From CH 100 to CH 191	1	91	4.50		409.50			
	Cross road, 10th main road								
	From CH 000 to CH 040	1	40	6.00		240.00			
	Adjacent road to KSRTC Depo								
	From CH 000 to CH 035	1	35	6.00		210.00			
	Cross road near KSRTC Depo								
	From CH 000 to CH 040	1	40	6.00		240.00			
	9th main road								
	From CH 000 to CH 100	1	100	6.00		600.00			
	From CH 100 to CH 200	1	100	6.00		600.00			
	From CH 200 to CH 300	1	100	6.00		600.00			
	From CH 300 to CH 355	1	55	6.00		330.00			
	1st cross road, 9th main road (LHS)								
	From CH 000 to CH 055	1	55	5.50		302.50			
	2nd cross road, 9th main road (LHS)								
	From CH 000 to CH 082	1	82	7.00		574.00			
	3rd cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	6.00		360.00			
	4th cross road, 9th main road (LHS)								
	From CH 000 to CH 058	1	58	6.00		348.00			
	5th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	58	6.10		353.80			
	5th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	1	35	6.20		217.00			
	6th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	6.00		360.00			
	6th cross road, 9th main road (RHS)								
	From CH 000 to CH 040	1	40	6.00		240.00			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	7th cross road, 9th main road (LHS)								
	From CH.000 to CH.060	1	60	5.50		330.00			
	7th cross road, 9th main road (RHS)								
	From CH.000 to CH.035	1	35	5.50		192.50			
	8th cross road, 9th main road (LHS)								
	From CH.000 to CH.100	1	100	5.10		510.00			
						19081.70	Sqm	5.30	101133.01
7	KSRRB 500-7 Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision								
	BR Rs.	12.00							
	Add: AW 6%	0.72							
	Total Rs.	**12.72**							
	Muniswamappa layout								
	1st main road								
	From CH.000 to CH.100	1	100	6.50		650.00			
	From CH.100 to CH.200	1	100	6.25		625.00			
	From CH.200 to CH.300	1	100	5.80		580.00			
	From CH.300 to CH.320	1	20	5.50		110.00			
	Cross Road, 1st main road								
	From CH.000 to CH.025	1	25	5.50		137.50			
	2nd main road								
	From CH.000 to CH.100	1	100	5.80		580.00			
	From CH.100 to CH.200	1	100	5.80		580.00			
	From CH.200 to CH.300	1	100	6.00		600.00			
	From CH.300 to CH.310	1	10	6.00		60.00			
	Jyothi Nagar								
	1st main road								
	From CH.000 to CH.100	1	100	4.20		420.00			
	From CH.100 to CH.132	1	32	4.20		134.40			
	2nd main road								
	From CH.000 to CH.100	1	100	5.20		520.00			
	From CH.100 to CH.200	1	100	5.20		520.00			
	From CH.200 to CH.300	1	100	6.20		620.00			
	From CH.300 to CH.347	1	47	6.20		291.40			
	3rd main road								
	From CH.000 to CH.100	1	100	6.60		660.00			
	From CH.100 to CH.200	1	100	6.50		650.00			
	From CH.200 to CH.300	1	100	7.00		700.00			
	From CH.300 to CH.335	1	35	7.40		259.00			
	Cross road 1, 3rd main road								
	From CH.000 to CH.035	1	35	5.20		182.00			
	Cross road 2, 3rd main road								
	From CH.000 to CH.048	1	48	6.20		297.60			
	Adithya Nagar								
	1st cross road								
	From CH.000 to CH.100	1	100	7.50		750.00			
	From CH.100 to CH.105	1	5	7.50		37.50			
	2nd cross road								
	From CH.000 to CH.082	1	82	7.50		615.00			
	3rd cross road								
	From CH.000 to CH.050	1	50	7.50		375.00			
	Cross road 1								
	From CH.000 to CH.110	1	110	6.00		660.00			
	10th main road								
	From CH.000 to CH.100	1	100	4.50		450.00			
	From CH.100 to CH.191	1	91	4.50		409.50			
	Cross road, 10th main road								
	From CH.000 to CH.040	1	40	6.00		240.00			
	Adjacent road to KSRTC Depo								
	From CH.000 to CH.035	1	35	6.00		210.00			
	Cross road near KSRTC Depo								

Sl.	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	From CH 000 to CH 040	1	40	6.00		240.00			
	9th main road								
	From CH 000 to CH 100	1	100	6.00		600.00			
	From CH 100 to CH 200	1	100	6.00		600.00			
	From CH 200 to CH 300	1	100	6.00		600.00			
	From CH 300 to CH 355	1	55	6.00		330.00			
	1st cross road, 9th main road (LHS)								
	From CH 000 to CH 055	1	55	5.50		302.50			
	2nd cross road, 9th main road (LHS)								
	From CH 000 to CH 082	1	82	7.00		574.00			
	3rd cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	6.00		360.00			
	4th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	58	6.00		348.00			
	5th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	58	6.10		353.80			
	5th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	1	35	6.20		217.00			
	6th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	6.00		360.00			
	6th cross road, 9th main road (RHS)								
	From CH 000 to CH 040	1	40	6.00		240.00			
	7th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	1	60	5.50		330.00			
	7th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	1	35	5.50		192.50			
	8th cross road, 9th main road (LHS)								
	From CH 000 to CH 100	1	100	5.10		510.00			
						19081.70	Sqm	12.72	242719.22
	KSRRB M500-17 Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revision - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr.II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
	BR Rs	6470.00							
	Add AW 6%	388.20							
	Total Rs	6858.20							
	BWSSB Road Cut Portion								
	Muniswamappa layout								
	1st main road								
		1	100	2.50	0.05	12.50			
	2nd main road								
		1	180	2.00	0.05	18.00			
	Jyothi Nagar								
	1st main road								
		1	132	2.00	0.05	13.20			
	2nd main road								
		1	100	1.00	0.05	5.00			
	3rd main road								
		1	200	1.00	0.05	10.00			
	Jyothi Nagar (Side Portion)								
	1st main road								
		2	132	0.50	0.05	6.60			
	2nd main road								
		2	100	0.50	0.05	5.00			
	3rd main road								
		2	200	0.50	0.05	10.00			
	Re-construction								
	Jyothi Nagar								
	2nd main road								
	From CH 000 to CH 055	1	55	5.00	0.05	13.75			
	From CH 192 to CH 347	1	155	6.20	0.05	48.05			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	3rd main road								
	From CH:200 to CH:300	1	100	7.00	0.05	35.00			
	From CH:300 to CH:335	1	35	7.40	0.05	12.95			
	Cross road 1, 3rd main road								
	From CH:000 to CH:035	1	35	5.20	0.05	9.10			
	Cross road 2, 3rd main road								
	From CH:000 to CH:048	1	48	6.20	0.05	14.88			
	Adithya Nagar (BWSSB Cut Portion)								
	1st cross road								
8	From CH:000 to CH:100	1	100	2.00	0.05	10.00			
	From CH:100 to CH:105	1	5	2.00	0.05	0.50			
	2nd cross road								
	From CH:000 to CH:082	1	82	2.00	0.05	8.20			
	3rd cross road								
	From CH:000 to CH:050	1	50	2.00	0.05	5.00			
	Cross road 1								
	From CH:000 to CH:110	1	110	1.50	0.05	8.25			
	10th main road								
	From CH:000 to CH:100	1	100	4.50	0.05	22.50			
	From CH:100 to CH:191	1	91	4.50	0.05	20.48			
	Cross road, 10th main road								
	From CH:000 to CH:040	1	40	6.00	0.05	12.00			
	Adjacent road to KSRTC Depo								
	From CH:000 to CH:035	1	35	6.00	0.05	10.50			
	Cross road near KSRTC Depo								
	From CH:000 to CH:040	1	40	6.00	0.05	12.00			
	9th main road								
	From CH:000 to CH:100	1	100	2.00	0.05	10.00			
	From CH:100 to CH:200	1	100	2.00	0.05	10.00			
	From CH:200 to CH:300	1	100	2.00	0.05	10.00			
	From CH:300 to CH:355	1	55	2.00	0.05	5.50			
	1st cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.50	0.05	6.88			
	2nd cross road, 9th main road (LHS)								
	From CH:000 to CH:082	2	82	2.00	0.05	16.40			
	3rd cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	2.00	0.05	6.00			
	4th cross road, 9th main road (LHS)								
	From CH:000 to CH:058	1	58	2.00	0.05	5.80			
	5th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	58	2.00	0.05	5.80			
	5th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	2.00	0.05	3.50			
	6th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	2.00	0.05	6.00			
	6th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00	0.05	12.00			
	7th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	5.50	0.05	16.50			
	7th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	5.50	0.05	9.63			
	8th cross road, 9th main road (LHS)								
	From CH:000 to CH:100	1	100	2.00	0.05	10.00			
	Profile correction @14%		19081.70		0.05	133.5719			
						591.03	Cum	6,858.20	4053380.69
	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision as per IRC SP-53-2015.- using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)								
	BR Rs		7594.00						

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	Add AW 6%		455.64						
	Total Rs		8049.64						
	Muniswamappa layout								
	1st main road								
	From CH 000 to CH 100	1	100	6.50	0.04	26.00			
	From CH 100 to CH 200	1	100	6.25	0.04	25.00			
	From CH 200 to CH 300	1	100	5.80	0.04	23.20			
	From CH 300 to CH 320	1	20	5.50	0.04	4.40			
	Cross Road, 1st main road								
	From CH 000 to CH 025	1	25	5.50	0.04	5.50			
	2nd main road								
	From CH 000 to CH 100	1	100	5.80	0.04	23.20			
	From CH 100 to CH 200	1	100	5.80	0.04	23.20			
	From CH 200 to CH 300	1	100	6.00	0.04	24.00			
	From CH 300 to CH 310	1	10	6.00	0.04	2.40			
	Jyothi Nagar								
	1st main road								
	From CH 000 to CH 100	1	100	4.20	0.04	16.80			
	From CH 100 to CH 132	1	32	4.20	0.04	5.38			
	2nd main road								
	From CH 000 to CH 100	1	100	5.20	0.04	20.80			
	From CH 100 to CH 200	1	100	5.20	0.04	20.80			
	From CH 200 to CH 300	1	100	6.20	0.04	24.80			
	From CH 300 to CH 347	1	47	6.20	0.04	11.66			
	3rd main road								
	From CH 000 to CH 100	1	100	6.60	0.04	26.40			
	From CH 100 to CH 200	1	100	6.50	0.04	26.00			
	From CH 200 to CH 300	1	100	7.00	0.04	28.00			
	From CH 300 to CH 335	1	35	7.40	0.04	10.36			
	Cross road 1, 3rd main road								
	From CH 000 to CH 035	1	35	5.20	0.04	7.28			
	Cross road 2, 3rd main road								
	From CH 000 to CH 048	1	48	6.20	0.04	11.90			
	Adithya Nagar								
9	1st cross road								
	From CH 000 to CH 100	1	100	7.50	0.04	30.00			
	From CH 100 to CH 105	1	5	7.50	0.04	1.50			
	2nd cross road								
	From CH 000 to CH 082	1	82	7.50	0.04	24.60			
	3rd cross road								
	From CH 000 to CH 050	1	50	7.50	0.04	15.00			
	Cross road 1								
	From CH 000 to CH 110	1	110	6.00	0.04	26.40			
	10th main road								

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	From CH:000 to CH:100	1	100	4.50	0.04	18.00			
	From CH:100 to CH:191	1	91	4.50	0.04	16.38			
	Cross road, 10th main road								
	From CH:000 to CH:040	1	40	6.00	0.04	9.60			
	Adjacent road to KSRTC Depo								
	From CH:000 to CH:035	1	35	6.00	0.04	8.40			
	Cross road near KSRTC Depo								
	From CH:000 to CH:040	1	40	6.00	0.04	9.60			
	9th main road								
	From CH:000 to CH:100	1	100	6.00	0.04	24.00			
	From CH:100 to CH:200	1	100	6.00	0.04	24.00			
	From CH:200 to CH:300	1	100	6.00	0.04	24.00			
	From CH:300 to CH:355	1	55	6.00	0.04	13.20			
	1st cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	5.50	0.04	12.10			
	2nd cross road, 9th main road (LHS)								
	From CH:000 to CH:082	1	82	7.00	0.04	22.96			
	3rd cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	6.00	0.04	14.40			
	4th cross road, 9th main road (LHS)								
	From CH:000 to CH:058	1	58	6.00	0.04	13.92			
	5th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	58	6.10	0.04	14.15			
	5th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.20	0.04	8.68			
	6th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	6.00	0.04	14.40			
	6th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00	0.04	9.60			
	7th cross road, 9th main road (LHS)								
	From CH:000 to CH:060	1	60	5.50	0.04	13.20			
	7th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	5.50	0.04	7.70			
	8th cross road, 9th main road (LHS)								
	From CH:000 to CH:100	1	100	5.10	0.04	20.40			
						763.27	**Cum**	**8,049.64**	**61,44,032.62**
	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.								
	BR Rs.	429.00							
	Add: AW 6%	25.74							
	Total Rs.	**454.74**							
	Muniswamappa layout								
	1st main road								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:200	2	100	0.10		20.00			
	From CH:200 to CH:300	2	100	0.10		20.00			
	From CH:300 to CH:320	2	20	0.10		4.00			
	Cross Road, 1st main road								
	From CH:000 to CH:025	2	25	0.10		5.00			
	2nd main road								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:200	2	100	0.10		20.00			
	From CH:200 to CH:300	2	100	0.10		20.00			
	From CH:300 to CH:310	2	10	0.10		2.00			
	Jyothi Nagar								

Sl No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	1st main road								
	From CH 000 to CH 100	2	100	0.10		20.00			
	From CH 100 to CH 132	2	32	0.10		6.40			
	2nd main road								
	From CH 000 to CH 100	2	100	0.10		20.00			
	From CH 100 to CH 200	2	100	0.10		20.00			
	From CH 200 to CH 300	2	100	0.10		20.00			
	From CH 300 to CH 347	2	47	0.10		9.40			
	3rd main road								
	From CH 000 to CH 100	2	100	0.10		20.00			
	From CH 100 to CH 200	2	100	0.10		20.00			
	From CH 200 to CH 300	2	100	0.10		20.00			
	From CH 300 to CH 335	2	35	0.10		7.00			
	Cross road 1, 3rd main road								
	From CH 000 to CH 035	2	35	0.10		7.00			
	Cross road 2, 3rd main road								
	From CH 000 to CH 048	2	48	0.10		9.60			
10	**Adithya Nagar**								
	1st cross road								
	From CH 000 to CH 100	2	100	0.10		20.00			
	From CH 100 to CH 105	2	5	0.10		1.00			
	2nd cross road								
	From CH 000 to CH 082	2	82	0.10		16.40			
	3rd cross road								
	From CH 000 to CH 050	2	50	0.10		10.00			
	Cross road 1								
	From CH 000 to CH 110	2	110	0.10		22.00			
	10th main road								
	From CH 000 to CH 100	2	100	0.10		20.00			
	From CH 100 to CH 191	2	91	0.10		18.20			
	Cross road, 10th main road								
	From CH 000 to CH 040	2	40	0.10		8.00			
	Adjacent road to KSRTC Depo								
	From CH 000 to CH 035	2	35	0.10		7.00			
	Cross road near KSRTC Depo								
	From CH 000 to CH 040	2	40	0.10		8.00			
	9th main road								
	From CH 000 to CH 100	2	100	0.10		20.00			
	From CH 100 to CH 200	2	100	0.10		20.00			
	From CH 200 to CH 300	2	100	0.10		20.00			
	From CH 300 to CH 355	2	55	0.10		11.00			
	1st cross road, 9th main road (LHS)								
	From CH 000 to CH 055	2	55	0.10		11.00			
	2nd cross road, 9th main road (LHS)								
	From CH 000 to CH 082	2	82	0.10		16.40			
	3rd cross road, 9th main road (LHS)								
	From CH 000 to CH 060	2	60	0.10		12.00			
	4th cross road, 9th main road (LHS)								
	From CH 000 to CH 050	2	58	0.10		11.60			
	5th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	2	58	0.10		11.60			
	5th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	2	35	0.10		7.00			
	6th cross road, 9th main road (RHS)								
	From CH 000 to CH 040	2	40	0.10		8.00			
	7th cross road, 9th main road (LHS)								
	From CH 000 to CH 060	2	60	0.10		12.00			
	7th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	2	35	0.10		7.00			
	8th cross road, 9th main road (LHS)								
	From CH 000 to CH 100	2	100	0.10		20.00			
						628.60	Sqm	454.74	285849.56

SHIVA CONSTRUCTION AND CONSULTANCY

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
11	Supply and fixing of Retro Reflective Single Arrow Road Name Signboard of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back ground of blue colour & white letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS angle of 15mm x 20mm x 1.2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in color with letters and border in white the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc., complete, as per direction of engineer incharge of work clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 including outdoor weather exposure report for the retro reflective sheeting offered shall be submitted by the contractor for technical qualification in the tender (P-190/24.59)								
	Basic Rate	13297.00							
	Area Weightage @ 6%	797.82							
	Total Rs	14094.82							
	Muniswamappa layout								
		3	1.60	0.90		4.32			
	Jyothi Nagar								
		3	1.60	0.90		4.32			
	Adithya Nagar								
		9	1.60	0.90		12.96			
						21.60	Sqm	14,094.82	304448.11

	Description	No	L	B	D	Qty.	Unit	Rate	Amount
12	GST Charges @ 12%							Sub Total Rs.	16934813.65
13	KRIDL Charges @ 4%								2032177.64
14	DPR Charges @ 1%								677392.55
15	PMC Charges @ 1%								169348.14
16	Miscellaneous and Unforeseen work Charges								169348.14
									16919.90
								Grand Total Rs.	20000000.00
	(Rupees Two Hundred Lakhs Only)								

CERTIFICATE

1) The work spot has been inspected and found to be necessary
2) The work spot comes under BBMP limits
3) The provisions made in this estimate are necessary and minimum
4) The rates adopted are as per PW P IWTD SR of 2018-19
5) This work is not split up

Assistant Engineer
Ward No 03
BBMP

Executive Engineer
Yelahanka Division
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

Sanction for Rs 200.00 Lakhs
Two crore only

Is recorded under head P-3747
CM-Navanagarothana 110 villages
grants (Annexure-07)

EE/YNK/64/2019-20 7/11/2019

Executive Engineer

RS200 Lakhs
P3747
206
08.11.2019